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**BEFORE THE  
FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554**

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Federal Communications Commission  
Office of Secretary

In the Matter of

Amendment of Section 73.202(b)

Table of Allotments

FM Broadcast Station

(Fort Meade, Florida)

RM - \_\_\_\_\_

To: Chief, Allocations Branch

**PETITION FOR RULE MAKING**

Hall Communications, Inc. ("Hall"), licensee of Station WWRZ (FM), Arcadia, Florida, hereby petitions the Commission to (1) amend the FM Table of Allotments, 47 CFR Section 73.202(b) of the Commission's Rules, by deleting Channel 252C2 at Arcadia, Florida, and allotting that Channel to Fort Meade, Florida, and (2) modify the authorization of Station WWRZ to specify Fort Meade, Florida, as its new community of license.

**Technical Considerations**

Station WWRZ is presently licensed to operate on Channel 252C2 at Arcadia, Florida. Hall proposes to change WWRZ's community of license from Arcadia to Fort Meade. As demonstrated in the attached Engineering Statement prepared by Wayne S. Reese, E. Harold Munn, Jr. & Associates, Inc., Hall's consulting engineer (Exhibit A), the proposed reallocation would be made in full accordance with the Commission's Rules. WWRZ's

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3.16 mV/m signal delivered from the Fort Meade reference coordinates would satisfy the city of license coverage requirements of Section 73.315(a) of the Rules<sup>1/</sup> and the allotment of Channel 252C2 at Fort Meade would also meet the minimum distance separation requirements of Section 73.207(b)(1). See Exhibit A. In addition, since the reallocation is mutually exclusive with Hall's present Arcadia allocation, the proposal would satisfy Section 1.420(i) of the Rules which permits an FM community of license change by means of a protected rule making procedure where the amended allotment is mutually exclusive with a licensee's present allocation.

### **Preferential Arrangement of Allotments**

Hall's community of license change would also result in a preferential arrangement of allotments pursuant to the Commission's community of license change procedures. See Modification of FM and TV Authorizations to Specify a New Community of License, 4 FCC Rcd. 4870 (1989) *recon. granted in part*, 5 FCC Rcd. 7094 (1990) ("Change of Community"). In determining whether a proposed reallocation would result in a preferential arrangement, the Commission compares the existing to the proposed arrangement using its FM allotment priorities.<sup>2/</sup> In this case, Fort Meade has no local licensed aural broadcast service. Therefore, the reallocation of Channel 252C2 would satisfy priority No. 3 of the Commission's allotment

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<sup>1/</sup> The reference coordinates for Channel 252C2 at Fort Meade are North Latitude 27° 41' 45" and West Longitude 81° 48' 49" . See Exhibit A.

<sup>2/</sup> The FCC's allotment priorities are: (1) first full-time aural service; (2) second full-time aural service; (3) first local service; and (4) other public interest factors. Equal weight is given to the second and third priorities. See Revision of FM Assignment Policies and Procedures, 90 FCC 2d 88 (1982).



priorities since it would provide a first local service in Fort Meade. Moreover, no other commercial FM channels are available for allotment at Fort Meade. See Exhibit A.

On the other hand, Arcadia is not an underserved community. Arcadia already has a local aural transmission service - WKGF (AM). Although WKGF is a daytime-only station,<sup>3/</sup> for purposes of evaluating allocation preferences under the FCC's FM allotment priorities, the Commission has determined that a daytime-only AM station constitutes a local aural transmission service. See, Change of Community, supra at 5 FCC Rcd. 7097. In addition, numerous other signals are received in Arcadia. All of the people residing in the City would continue to receive at least seven full-time reception services. See Exhibit A. The Commission has determined that a community retaining at least five full-time services is considered to be well-served. See FM Table of Allotments (Willows and Dunnigan, California), 1 CR 993, 998 (Chief, Allocations Branch 1995).

Moreover, other public interest benefits accrue from the proposed reallocation which would result in an overall gain of service for approximately 405,536 people by moving WWRZ to the Fort Meade area from the Arcadia area.<sup>4/</sup> As discussed in the attached Engineering

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<sup>3/</sup> Station WKGF operates on 1480 kHz, nondirectional, with one kilowatt power daytime and 0.131 kilowatts at night. See Exhibit A. Therefore, although technically considered a daytime-only station, WKGF does have authority to operate at night.

<sup>4/</sup> According to the 1990 U.S. Census data, the City of Arcadia (population 6,488) has more people than the City of Fort Meade (population 4,976). However, other sources reflect that the City of Fort Meade has more people. The University of Florida in 1996 revised the Census figure to 5,455 (see the October 2, 1996 letter from the University of Florida Research Programs and Services Coordinator to the Deputy City Manager - Fort Meade, attached hereto as Exhibit B) and the Fort Meade Chamber of Commerce has published a report reflecting a year-round population of 6,316 people, with a peak season population of 8,578 (see the Fort Meade Chamber of Commerce Business Directory & Community Profile, attached hereto as Exhibit C).

(continued...)



Report, 565,245 people would be served by WWRZ's 60 dBu contour operating from the Fort Meade reference site as opposed to the current 159,709 people served by WWRZ operating from the current Arcadia site. See Exhibit A.<sup>5/</sup>

Furthermore, Fort Meade is not a part of any urbanized area; it is specifically not a part of the Lakeland or Winter Haven urbanized areas. In fact, the WWRZ 70 dBu contour from the reference site at Fort Meade only covers 17.3% and 18.4% of the respective Lakeland and Winter Haven urbanized areas. See Exhibit A. These percentages are far less than the 50% coverage benchmark which the Commission uses to evaluate whether a station is servicing an urbanized market.<sup>6/</sup>

Fort Meade is an independent geographically identifiable community with all of the indicia necessary to warrant an FM allocation. Fort Meade is probably the oldest city in Polk County and is rich in Florida history. See Exhibit C. It operates under a city manager-commissioner form of government with five commissioners, one of whom acts as mayor. The

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<sup>4/</sup> (...continued)

Whichever data source is used, the fact remains that more people will be served within WWRZ's principal community contour operating from Fort Meade than from Arcadia and that Arcadia will still be left with its own aural broadcast service and a satisfactory number of aural reception services.

<sup>5/</sup> There would be no white or gray areas created as a result of the proposed move since the people residing in the resultant small loss area would continue to receive at least seven aural reception services. See Exhibit A.

<sup>6/</sup> Since Fort Meade is not a municipality on the fringe of an urban area, this proposal can be distinguished from other cases in which a petitioner has asked to move an FM station from an underserved rural area to a suburb of an adjacent over-served urban market. See, e.g., the Commission's Memorandum Opinion and Order (LaGrange and Rollingwood, Texas), 10 FCC Rcd. 3337 (1995), in which the Commission refused to permit the reallocation of an FM channel from LaGrange to Rollingwood, although a daytime-only station remained in LaGrange, because Rollingwood was located in the Austin, Texas Urbanized Area.



city has its own police department and operates its own water, sewage and natural gas systems and its own sanitation department. It has its own United States Post Office and zip code and is recognized as a community in the Rand-McNally Road Atlas, 71<sup>st</sup> Edition, 1995. Fort Meade has four public schools (2 elementary, 1 middle and 1 high school) and a public library. The city maintains eight major parks and has over twenty churches. Its civic and fraternal organizations include an American Legion Auxiliary and Post, the Fort Meade Chamber of Commerce, a Lions Club, a Rotary Club, two Women's Clubs, the Fort Meade Garden Club and a Veterans of Foreign Wars Chapter. Id.

### **Conclusion**

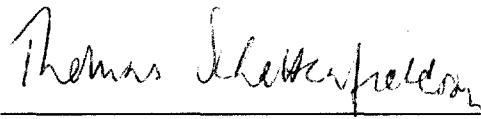
The proposed reallocation would be in compliance with the FCC's minimum distance separation and other technical requirements of the Rules. Moreover, the proposed reallocation would serve the public interest since the provision of a first local aural transmission service to Fort Meade outweighs the need to maintain a second local service at Arcadia in light of the numerous other signals already received in Arcadia. Upon grant of the proposed reallocation, Hall commits to promptly file with the Commission a construction permit application (FCC Form 301) and, upon grant of that application, to promptly construct and operate WWRZ on Channel 252C2 at Fort Meade. See the Statement of Arthur J. Rowbotham, President of Hall, attached hereto as Exhibit D.

**WHEREFORE**, for the reasons set forth hereinabove, Hall Communications, Inc. respectfully requests that this Petition for Rule Making be granted and that the Commission



issue a Notice of Proposed Rule Making inviting public comment on the proposal contained herein.

Respectfully submitted,

A handwritten signature in cursive script, reading "Thomas Schattenfield", written in dark ink.

Thomas Schattenfield

Susan A. Marshall

ARENT FOX KINTNER PLOTKIN & KAHN

1050 Connecticut Avenue, N.W.

Washington, D.C. 20036-5339

(202) 857-6016

Counsel for Hall Communications, Inc.

June 3, 1997



**EXHIBIT A**



**ENGINEERING REPORT**  
**Rulemaking Proposal**  
**Amend FM Table of Allotments**  
**WWRZ - Fort Meade, Florida**  
**May 1997**

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**E. Harold Munn, Jr. & Associates, Inc.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036



## ENGINEERING STATEMENT

### In Support of a Petition To Amend §73.202(b)

The firm of E. Harold Munn, Jr. & Associates, Inc., was retained to prepare this Engineering Statement in support of a petition to amend 47 C.F.R. Section 73.202(b), the FM Table of Allotments.

It is proposed to amend the Table to add Channel 252C2, 98.3 MHz for use at Fort Meade, FL, as the community's first local aural broadcast service and reserve its use for WWRZ(FM). To accomplish this move, it is proposed to delete Channel 252C2 at Arcadia, FL. A special reference point for the city, approximately 6.5 kilometers south, meeting the spacings of §73.207(b)(1) is proposed. A large open area exists where a transmitter site may be located.

Data contained in this report is responsive to the requirements of the Rules, as amended.

Figure 1 is a pertinent portion of the computer study which demonstrates that, at the reference point listed, and for the class of station proposed, all the required separations are fully met for the allotment of Channel 252C2 at Fort Meade. The transmitter "open area" is shown on the computer plot within the shaded area. As shown in the attached Appendix A, there are no other commercial FM channels that can be allotted to the community of Fort Meade.

The special reference point considered for this study is at NL 27° 41' 45"; WL 81° 48' 49". Figure 2 is a reduced copy of a topographical map showing the location of the special reference point falling on land area. This is a point proximate to the city from which the 3.16 mV/m (70 dBu) contour of the proposed facility would encompass the entire community. Figure 3 is a map showing the 3.16 mV/m city grade coverage, employing maximum facilities for the class, from the special reference point providing 100% coverage to the Fort Meade city limits.

The proposal seeks to delete Channel 252C2 from Arcadia, FL. However, aural broadcast service is still rendered to that community by AM broadcast station WKGF, Arcadia, FL. This station operates on 1480 kHz with 1.0 kW daytime and 0.131 kW at night, both non-directional.

More than five full-time aural services will still be received within 100% of the city limits of Arcadia. In fact, seven (7) FM stations alone will provide 1 mV/m (60 dBu) contour coverage to the entire Arcadia city boundaries. Figure 4 is a map depicting the



## ENGINEERING STATEMENT

Page 2

### In Support of a Petition To Amend §73.202(b)

coverage of these seven stations. The stations are: WIKX, Punta Gorda, FL, Channel 225C2; WSJT, Lakeland, FL, Channel 231C; WWRM, Tampa, FL, Channel 235C; WINK-FM, Fort Myers, FL, Channel 245C; WHPT, Sarasota, FL, Channel 273C; WXKB, Cape Coral, FL, Channel 280C1; and WZZS, Zolfo Springs, FL, Channel 295A.

Similarly, a study was made of the number of full-time aural services to the community of Fort Meade, FL. Figure 4, page 2 shows that an equal amount of full-time services presently covers this community as compared with Arcadia. The stations providing service to Fort Meade are WPCV, Winter Haven, FL, Channel 248C; WSJT, Lakeland, FL, Channel 231C; WHPT, Sarasota, FL, Channel 273C; WFLZ, Tampa, FL, Channel 227C; WWRM, Tampa, FL, Channel 235C; WDUV, Bradenton, FL, Channel 278C; and the present WWRZ, Arcadia, FL, Channel 252C2.

Fort Meade, in Polk County, had a published 1990 Census population of 4,976 persons. The University of Florida revised the population to 5,455 persons in a letter to the Deputy City Manager on October 2, 1996. Further data supplied by the Chamber of Commerce shows that the city has a year-around population of 6,316 persons and a peak population, during the winter months of 8,578 persons. Arcadia, in DeSoto County, had a published 1990 Census population of 6,488 persons.

Proposing a full Class C2 facility at the reference site suggested for this rulemaking would result in an increase in the population within the 60 dBu (1 mV/m) contour from 159,709 persons to 565,245 persons. These populations were determined by means of a computer program that computes the location of the 60 dBu contour in 1° increments and finds all the minor civil divisions of the 1990 Census within that area.

Fort Meade is not part of any urbanized area. In addition, Figure 5 is a map showing the 3.16 mV/m (70 dBu) coverage from the special reference site towards the urbanized areas of Lakeland and Winter Haven, FL. Note that the special reference point lies closest to these two urbanized areas. Figure 5 demonstrates that less than 50% of the Lakeland/Winter Haven urbanized areas are covered by the 3.16 mV/m contour from the special reference point. Specifically, the 3.16 mV/m contour covers only 18.4% of the area and 19.4% of the population within the Winter Haven urbanized area. Likewise, this same contour covers 17.3% of the area and 13.4% of the population within the Lakeland urbanized area. Therefore, the allocation proposal is not considered to be located within an urbanized area.



ENGINEERING STATEMENT

Page 3

In Support of a Petition To Amend §73.202(b)

The change in location from the present WWRZ transmitter site to the proposed reference site for Fort Meade would alter the coverage of WWRZ to the point that a gain and loss area would be created. A study of the loss area has been made to determine the number of existing aural broadcast services that will continue to service this area. Figure 6 shows a minimum of 7 aural broadcast services will combine to cover the loss area. Some areas have more services than shown on this exhibit. However, no white or gray areas will be created by this rulemaking proposal. A list of the facilities shown on the Figure 6 map is included as Page 2 of the Figure.

A similar study was made of the gain area which would result in a change of transmitter sites for WWRZ. The results are shown in Figure 7 with a list of facilities shown on Page 2 of the Figure. Inspection of this map will show one very small area which presently is served by only five (5) aural services (not counting the proposed Fort Meade facility) and two small, adjacent areas which receive six (6) aural services. A fully built Channel 252C2 facility operating from the proposed reference site would allow this area to receive virtually the same number of services as would be left in the loss area which would result from the relocation of the facility. As in the loss area study, some areas have more services than shown in Figure 7. These extra services were not deemed to be significant to the purpose of the study and have been omitted to improve the clarity of the map.

It is requested that 47 C.F.R. §73.202(b) be amended as follows and the proposed channel be reserved for use by WWRZ.

<u>CITY, STATE</u>	<u>PRESENT</u>	<u>PROPOSED</u>
Arcadia, FL	252C2	---
Fort Meade, FL	---	252C2



**ENGINEERING STATEMENT**

Page 4

**In Support of a Petition To Amend §73.202(b)**

**CERTIFICATION**

This Engineering Statement was prepared by the undersigned, a member of the staff of E. Harold Munn, Jr. & Associates, Inc., Broadcast Engineering Consultants, with offices at 100 Airport Drive, Coldwater, Michigan 49036-0220.

I hereby certify the contents of this Engineering Statement to be true and accurate to the best of my knowledge and belief. My qualifications are a matter of record before the Federal Communications Commission.

Dated this 28<sup>th</sup> day of May, 1997

by Wayne S. Reese  
Wayne S. Reese, President

E. Harold Munn, Jr. & Associates, Inc.  
P. O. Box 220  
Coldwater, MI 49036-0220

Phone: (517) 278-7339  
Fax: (517) 278-6973

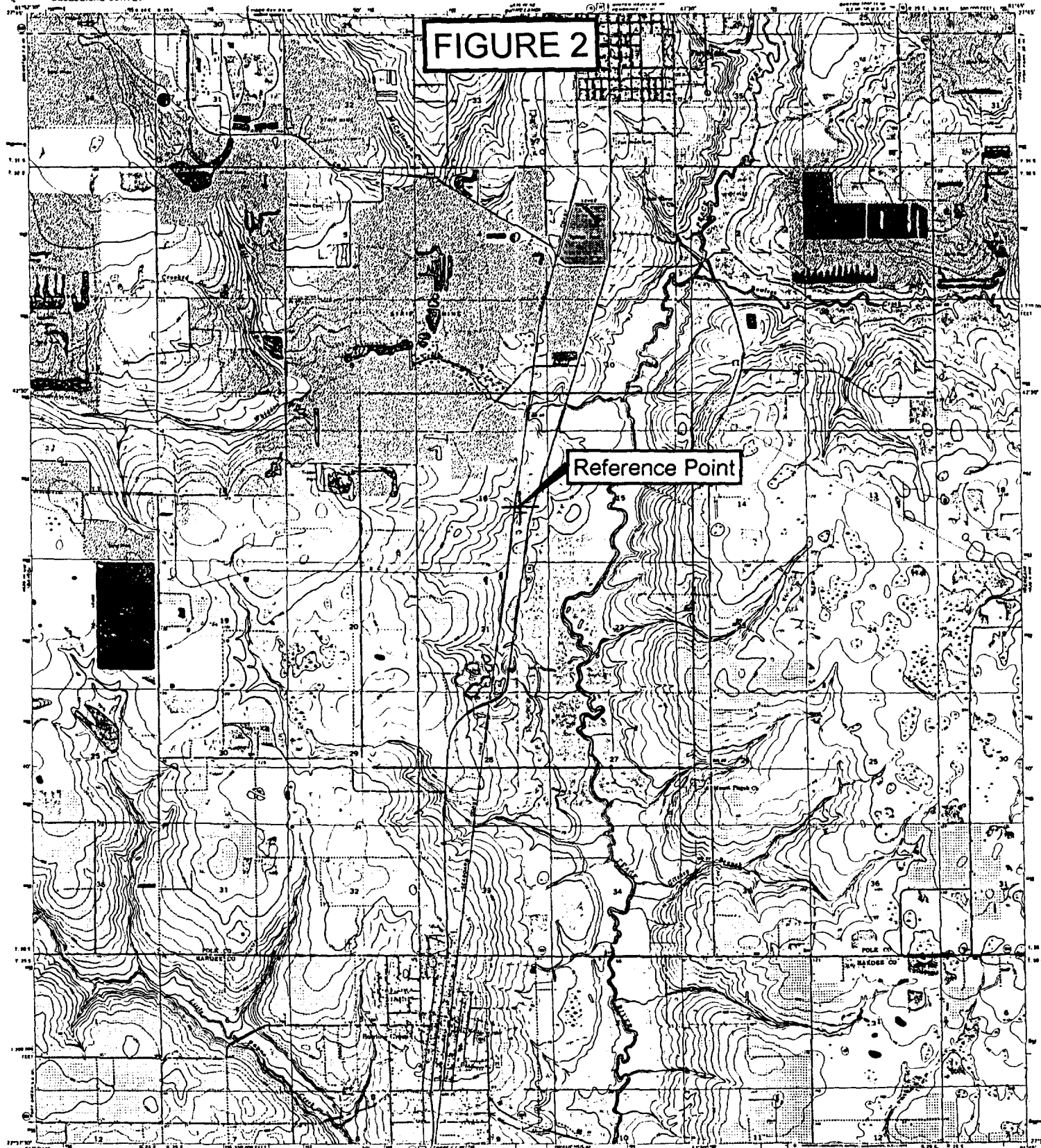


Call	CH#	Location		D-KM	Azi	FCC	Margin
WWRZ.C	252C2	Arcadia	FL	23.99	176.7	190.0	-166.01
WWRZ	252A	Arcadia	FL	58.32	193.2	166.0	-107.68
WGNEFM	251C1	Titusville	FL	158.20	35.8	158.0	0.20
WKTK	253C	Crystal River	FL	188.30	337.2	188.0	0.30
WXTB	250C	Clearwater	FL	108.32	300.2	105.0	3.32
WRTD	252C	Goulds	FL	273.85	150.5	249.0	24.85
WDRR	253A	San Carlos Par	FL	132.01	181.7	106.0	26.01
WISP.C	254A	Holmes Beach	FL	81.07	251.6	55.0	26.07
AP255	255A	Murdock	FL	83.31	206.6	55.0	28.31



# FIGURE 2

Reference Point



Mapped, edited, and published by the Geological Survey  
Control to USGS, USCGS, and Florida Geologic Survey  
Culture and drainage in part completed from aerial photographs  
taken 1951-1952. Topographic by photostereoscopic survey 1955  
Placed on projection 1927 North American datum  
10,000 foot grid based on Florida coordinate system,  
zone 18E  
1000 meter Universal Transverse Mercator grid ticks,  
zone 17, shown on map  
Boundaries shown in this map compared from aerial photographs  
taken 1952. This information not made official  
Purpose not to reflect boundaries of urban areas

US 2000 and 1972 magnetic north  
declination at center of sheet

SCALE 1:24,000  
CONTOUR INTERVAL 5 FEET  
SECTION 18E, T17N

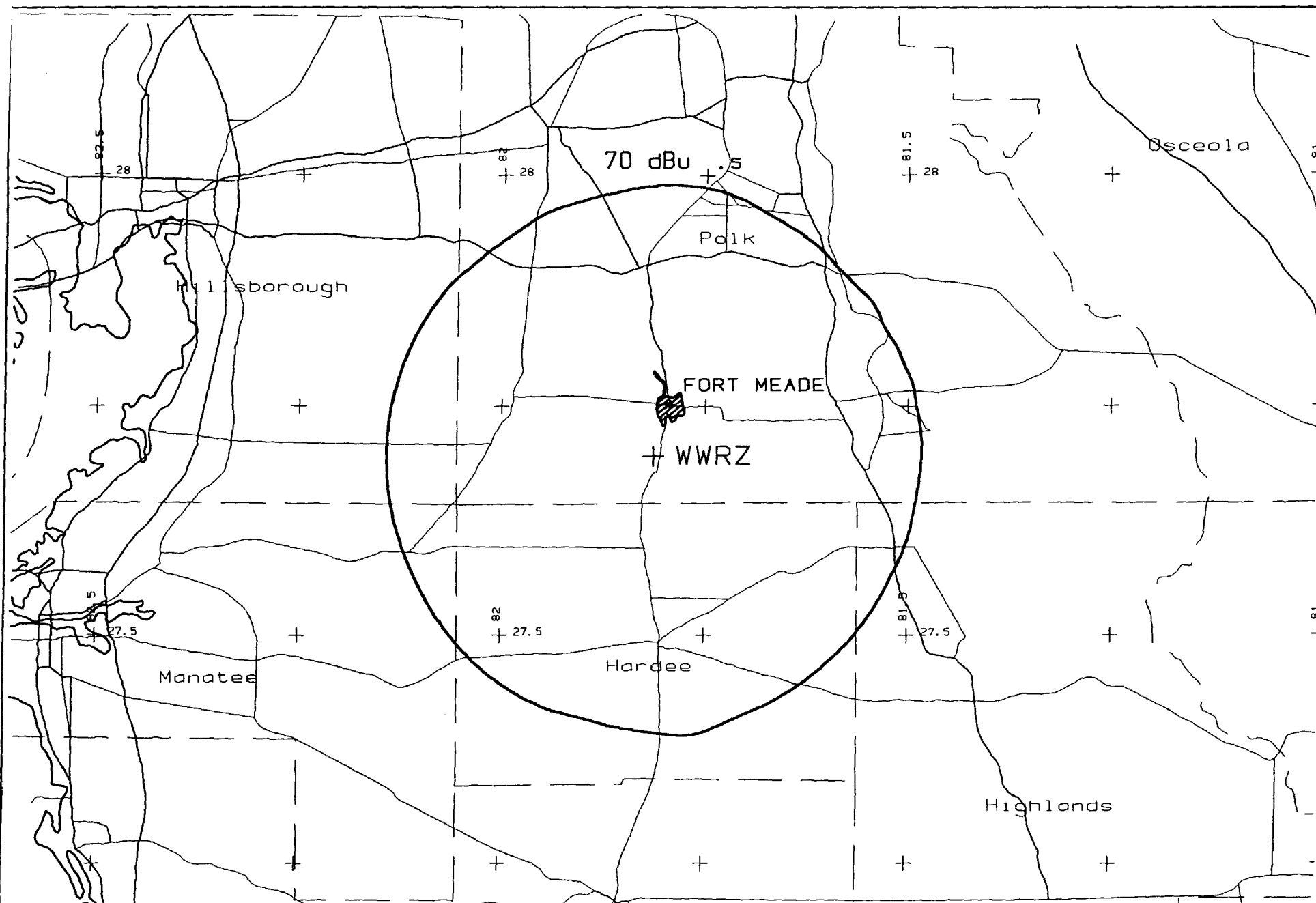
THIS MAP COMPLETES WITH NATIONAL MAP SERIES STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY DISTRIBUTION OFFICE 2012  
A FOLDER WITH TOPOGRAPHIC MAPS AND TOWNSHIPS IS AVAILABLE ON REQUEST



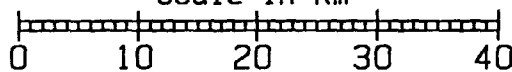
ROAD CLASSIFICATION  
Heavy duty ————— 1-4th class  
Medium duty ————— Unimproved det  
○ U.S. Route ○ State Road

BOWLING GREEN, FLA.  
82735-0015/5  
1958  
PHOTOGRAPHED 1951  
AND MAP BY USGS-1951/5





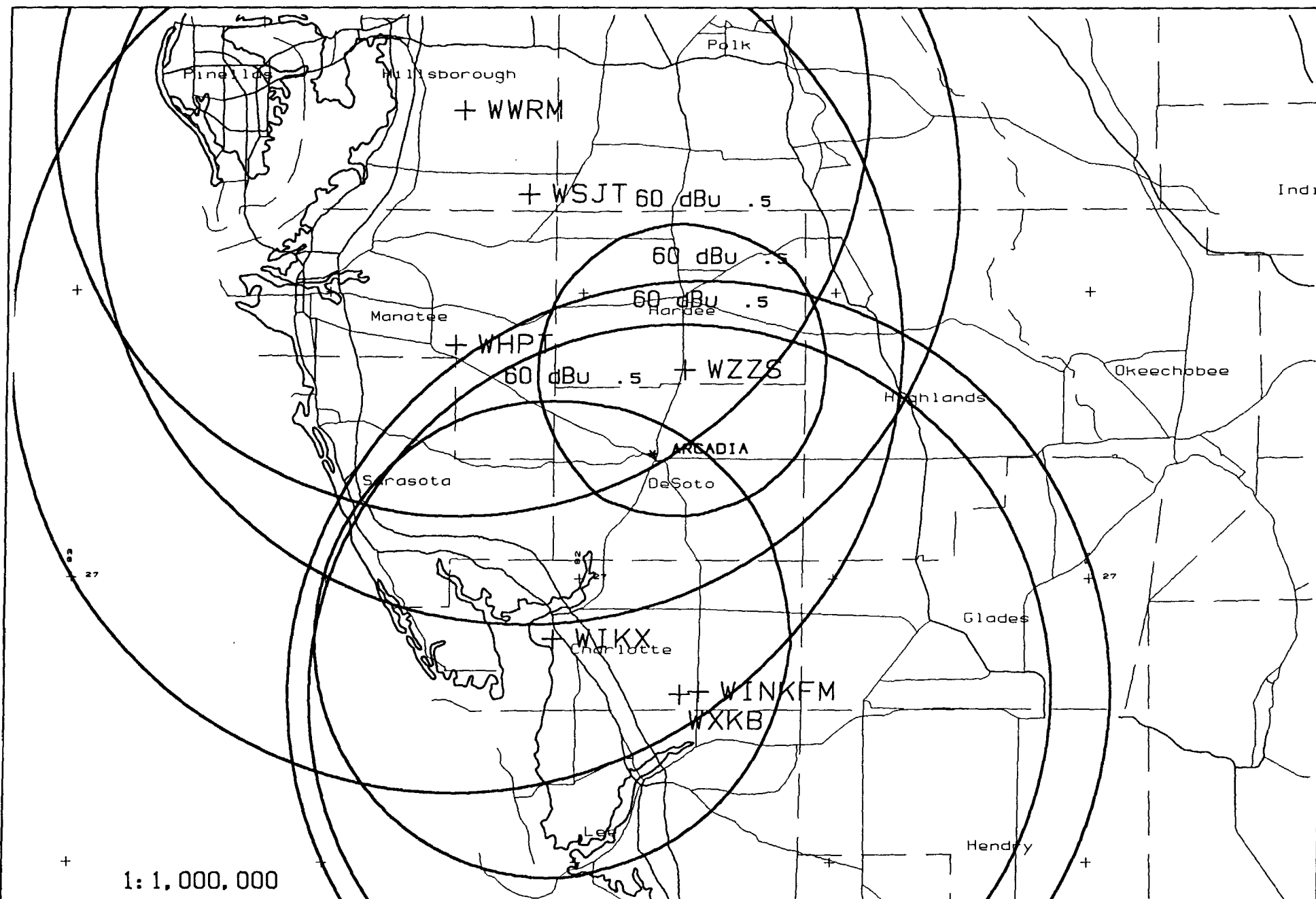
Scale in km



Map Showing 3.16 mV/m Coverage of Fort Meade, FL  
N. Lat. 27 41 45 W. Lng. 81 48 49

WWRZ - FIGURE 3  
MUNN & ASSOC. - 05/97

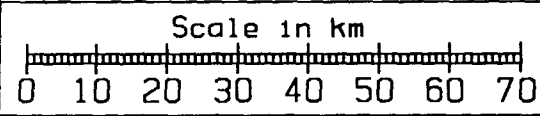
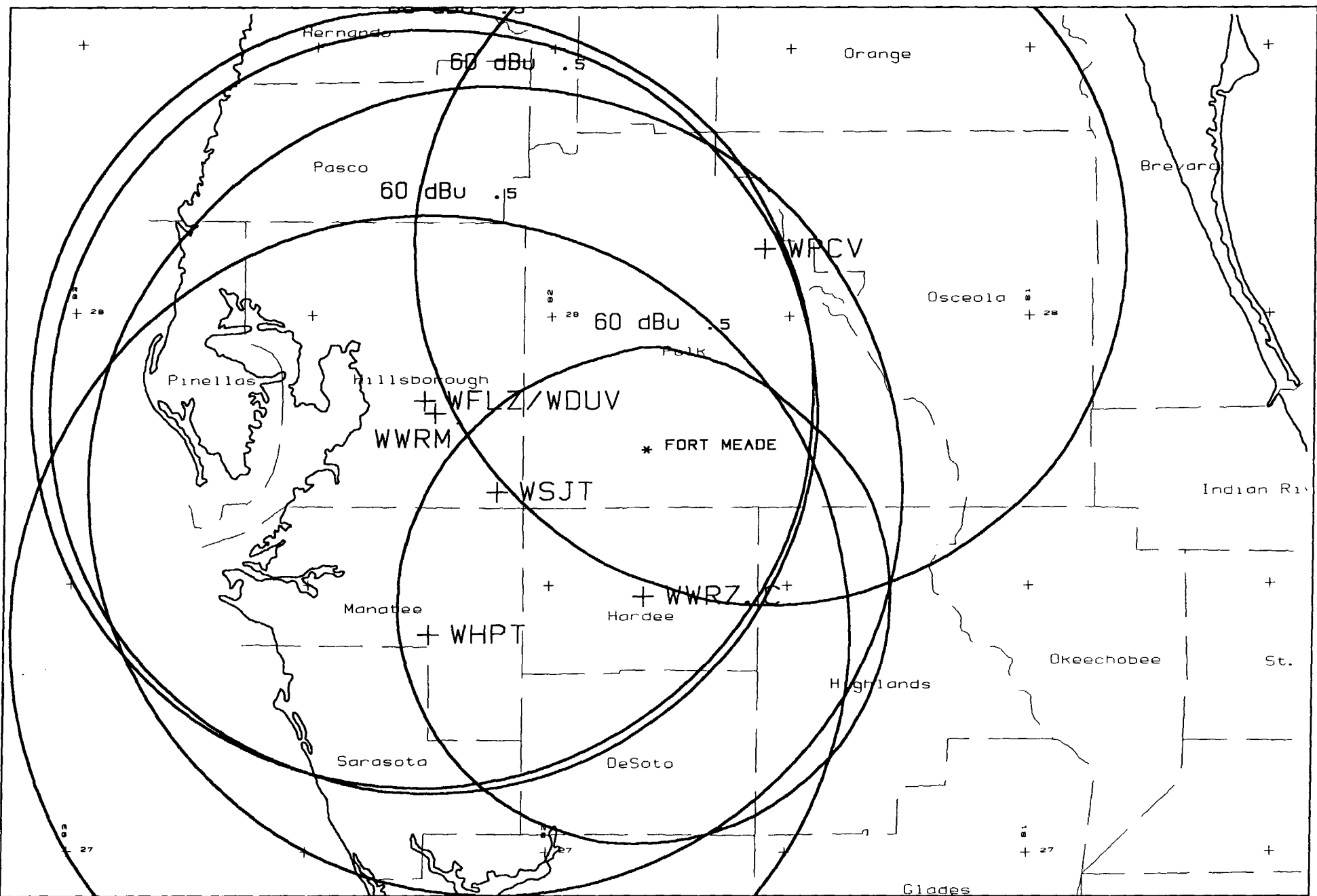




Other FM 1 mV/m Services to Arcadia, FL  
 N. Lat. 27 13 11      W. Lng. 81 51 35

FIGURE 4  
 MUNN & ASSOC. - 05/97





60 dBu FM CONTOURS SERVING FORT MEADE, FL  
 N. Lat. 27 45 08 W. Lng. 81 47 44

FIGURE 4 - PAGE 2  
 MUNN & ASSOC. - 05/97







# OTHER SERVICES TO LOSS AREA

## AM STATIONS

A - WOTM, Pine Hills, FL  
 B - WAFC, Clewiston, FL  
 C - WAQI, Miami, FL  
 D - WWTK, Lake Placid, FL  
 E - WJCM, Sebring, FL  
 F - WAUC, Wauchula, FL  
 G - WITS, Sebring, FL  
 H - WAVP, Avon Park, FL  
 I - WKGf, Arcadia, FL

## FM STATIONS

AA - WWRZ, Arcadia, FL  
 BB - PROP, Fort Meade, FL  
 J - WIKX, Punta Gorda, FL  
 K - WFLZ, Tampa, FL  
 L - WSJT, Lakeland, FL  
 M - WWRM, Tampa, FL  
 N - WRXK-FM, Bonita Springs, FL  
 O - WINK-FM, Fort Myers, FL  
 P - WPCV, Winter Haven, FL  
 Q - WWGR, Fort Myers, FL  
 R - WHPT, Sarasota, FL  
 S - WDUV, Bradenton, FL  
 T - WXXB, Cape Coral, FL  
 U - WYMR, Sebring, FL  
 V - WWOI, Avon Park, FL  
 W - WZZS, Zolfo Springs, FL  
 X - WCOF, St. Petersburg, FL  
 Y - WYNF, Coral Cove, FL

AM Contours shown are 0.5 mV/m. FM Contours shown are 1.0 mV/m (60 dBu)

FIGURE 6

KILOMETERS			
10	0	10	20
REFERENCE POINT COORDS:			
LATITUDE:	27	0	10
LONGITUDE:	82	45	0
MAP PROJECTION-Albers		TIC MARK INTERVAL: .5°	



FIGURE 6

**FACILITIES SHOWN IN OTHER SERVICES STUDY FOR LOSS AREA****AM STATIONS**

<b><u>Station Number</u></b>	<b><u>Call Sign</u></b>	<b><u>Frequency (KHz)</u></b>	<b><u>Power (kW)</u></b>	<b><u>Pattern (DA/NDA)</u></b>	<b><u>North Latitude</u></b>	<b><u>West Longitude</u></b>	<b><u>City</u></b>	<b><u>State</u></b>
A	WQTM	540	50	DA	28-22-52	81-47-31	Pine Hills	FL
B	WAFC	590	0.93	NDA	26-43-47	80-54-45	Clewiston	FL
C	WAQI	710	50	DA	25-58-07	80-22-44	Miami	FL
D	WWTK	730	0.50	DA	27-24-25	81-25-56	Lake Placid	FL
E	WJCM	960	5.0	DA	27-30-29	81-25-18	Sebring	FL
F	WAUC	1310	5.0	DA	27-31-48	81-49-08	Wauchula	FL
G	WITS	1340	1.0	NDA	27-28-06	81-27-03	Sebring	FL
H	WAVP	1390	1.0	NDA	27-37-08	81-29-27	Avon Park	FL
I	WKGF	1480	1.0	NDA	27-13-43	81-51-28	Arcadia	FL

**FM STATIONS**

<b><u>Station Number</u></b>	<b><u>Call Sign</u></b>	<b><u>Frequency (MHz)</u></b>	<b><u>ERP (kW)</u></b>	<b><u>HAAT (meters)</u></b>	<b><u>North Latitude</u></b>	<b><u>West Longitude</u></b>	<b><u>City</u></b>	<b><u>State</u></b>
AA	WWRZ	98.3	50	140	27-28-47	81-47-58	Arcadia	FL
BB	PROP	98.3	50	150	27-41-45	81-48-49	Fort Meade	FL
J	WIKX	92.9	50	110	26-53-37	82-03-03	Punta Gorda	FL
K	WFLZ	93.3	100	414	27-50-32	82-15-46	Tampa	FL
L	WSJT	94.1	100	455	27-40-23	82-06-35	Lakeland	FL
M	WWRM	94.9	100	393	27-49-09	82-14-26	Tampa	FL
N	WRXK-FM	96.1	100	341	26-25-22	81-37-49	Bonita Springs	FL
O	WINK-FM	96.9	100	403	26-48-01	81-45-48	Fort Myers	FL
P	WPCV	97.5	100	310	28-07-35	81-33-03	Winter Haven	FL
Q	WWGR	101.9	100	302	26-25-23	81-37-07	Fort Myers	FL
R	WHPT	102.5	100	503	27-24-30	82-15-00	Sarasota	FL
S	WDUV	103.5	100	414	27-50-32	82-15-46	Bradenton	FL
T	WXKB	103.9	100	299	26-47-43	81-48-04	Cape Coral	FL
U	WYMR	105.5	5.0	46	27-28-06	81-27-03	Sebring	FL
V	WWOJ	106.3	2.35	113	27-33-37	81-29-36	Avon Park	FL
W	WZZS	106.9	5.0	109	27-21-59	81-47-52	Zolfo Springs	FL
X	WCOF	107.3	100	189	27-51-24	82-37-26	St. Petersburg	FL
Y	WYNF	107.9	46	157	27-06-01	82-22-18	Coral Cove	FL



# OTHER SERVICES TO GAIN AREA

## AM STATIONS

AA - WQTM, Pine Hills, FL  
 AB - WDBO, Orlando, FL  
 AC - WSUN, St. Petersburg, FL  
 AD - WWTM, Lake Placid, FL  
 AE - WJCM, Sebring, FL  
 AF - WHOO, Orlando, FL  
 AG - WQYK, Seffner, FL  
 AH - WNNR, Lakeland, FL  
 AI - WTPC, Lake Wales, FL  
 AJ - WJTS, Sebring, FL  
 AK - WHNR, Cypress Gardens, FL  
 AL - WAVP, Avon Park, FL  
 AM - WXPQ, Babson Park, FL

## FM STATIONS

BB - WWRZ, Arcadia, FL  
 CC - PROP, Fort Meade, FL  
 FA - WWKA, Orlando, FL  
 FB - WYUJ, Safety Harbor, FL  
 FC - WFLZ, Tampa, FL  
 FD - WSJT, Lakeland, FL  
 FE - WWRM, Tampa, FL  
 FF - WMTX-FM, Clearwater, FL  
 FG - WHTQ, Orlando, FL  
 FH - WPCV, Winter Haven, FL  
 FI - WXTB, Clearwater, FL  
 FJ - WQYK-FM, St. Petersburg, FL  
 FK - WSHE, Orlando, FL  
 FL - WAKS, Tampa, FL  
 FM - WJRR, Cocoa Beach, FL  
 FN - WHPT, Sarasota, FL  
 FO - WDUV, Bradenton, FL  
 FP - WTKS, Cocoa Beach, FL  
 FQ - WRBQ-FM, Tampa, FL  
 FR - WOMX-FM, Orlando, FL  
 FS - WWOJ, Avon Park, FL  
 FT - WCOF, St. Petersburg, FL  
 FU - WYNF, Coral Cove, FL

AM Contours shown are 0.5 mV/m. FM Contours shown are 1.0 mV/m (60 dBu)

FIGURE 7

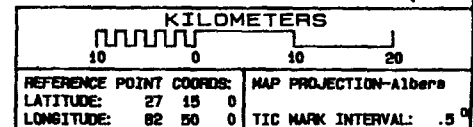




FIGURE 7

**FACILITIES SHOWN IN OTHER SERVICES STUDY FOR GAIN AREA****AM STATIONS**

<u>Station Number</u>	<u>Call Sign</u>	<u>Frequency (KHz)</u>	<u>Power (kW)</u>	<u>Pattern (DA/NDA)</u>	<u>North Latitude</u>	<u>West Longitude</u>	<u>City</u>	<u>State</u>
AA	WQTM	540	50	DA	28-22-52	81-47-31	Pine Hills	FL
AB	WDBO	580	5.0	NDA	28-37-12	81-24-34	Orlando	FL
AC	WSUN	620	5.0	NDA	27-52-37	82-35-26	St. Petersburg	FL
AD	WWTk	730	0.50	DA	27-24-25	81-25-56	Lake Placid	FL
AE	WJCM	960	5.0	DA	27-30-29	81-25-18	Sebring	FL
AF	WHOO	990	50	DA	28-34-28	81-27-48	Orlando	FL
AG	WQYK	1010	50	DA	27-59-25	82-15-06	Seffner	FL
AH	WONN	1230	1.0	NDA	28-02-23	81-57-39	Lakeland	FL
AI	WIPC	1280	1.0	NDA	27-55-34	81-36-04	Lake Wales	FL
AJ	WITS	1340	1.0	NDA	27-28-06	81-27-03	Sebring	FL
AK	WHNR	1360	5.0	DA	28-01-16	81-42-02	Cypress Gardens	FL
AL	WAVP	1390	1.0	NDA	27-37-08	81-29-27	Avon Park	FL
AM	WXPQ	1530	0.50	NDA	27-50-11	81-31-50	Babson Park	FL

**FM STATIONS**

<u>Station Number</u>	<u>Call Sign</u>	<u>Frequency (MHz)</u>	<u>ERP (kW)</u>	<u>HAAT (meters)</u>	<u>North Latitude</u>	<u>West Longitude</u>	<u>City</u>	<u>State</u>
BB	WWRZ	98.3	50	140	27-28-47	81-47-58	Arcadia	FL
CC	PROP	98.3	50	150	27-41-45	81-48-49	Fort Meade	FL
FA	WWKA	92.3	100	408	28-36-08	81-05-37	Orlando	FL
FB	WYUU	92.5	50	149	27-50-33	82-48-52	Safety Harbor	FL
FC	WFLZ	93.3	100	414	27-50-32	82-15-46	Tampa	FL
FD	WSJT	94.1	100	455	27-40-23	82-06-35	Lakeland	FL
FE	WWRM	94.9	100	393	27-49-09	82-14-26	Tampa	FL
FF	WMTX-FM	95.7	100	185	27-52-00	82-37-27	Clearwater	FL
FG	WHTQ	96.5	100	487	28-34-51	81-04-32	Orlando	FL
FH	WPCV	97.5	100	310	28-07-35	81-33-03	Winter Haven	FL
FI	WXTB	97.9	100	410	28-10-56	82-46-06	Clearwater	FL
FJ	WQYK-FM	99.5	100	168	27-56-50	82-27-35	St. Petersburg	FL
FK	WSHE	100.3	100	362	28-36-08	81-05-37	Orlando	FL
FL	WAKS	100.7	100	183	28-02-21	82-39-21	Tampa	FL
FM	WJRR	101.1	100	487	28-34-51	81-04-32	Cocoa Beach	FL
FN	WHPT	102.5	100	503	27-24-30	82-15-00	Sarasota	FL
FO	WDUV	103.5	100	414	27-50-32	82-15-46	Bradenton	FL
FP	WTKS	104.1	100	487	28-34-51	81-04-32	Cocoa Beach	FL
FQ	WRBQ-FM	104.7	100	171	27-56-50	82-27-35	Tampa	FL
FR	WOMX-FM	105.1	100	487	28-34-51	81-04-32	Orlando	FL
FS	WWOJ	106.3	2.35	113	27-33-37	81-29-36	Avon Park	FL
FT	WCOF	107.3	100	189	27-51-24	82-37-26	St. Petersburg	FL
FU	WYNF	107.9	46	157	27-06-01	82-22-18	Coral Cove	FL



Appendix A

PRECLUSION STUDY

for the Community of

FORT MEADE, FL



E. Harold Munn Jr. & Associates Inc.  
P.O. Box 220 - Coldwater MI 49036

Commercial FM Frequency Search  
Fort Meade Florida

REFERENCE  
27 45 04 N  
81 47 44 W

Class A Preclusions  
Current Spacings

DISPLAY DATES  
DATA 05-18-97  
SEARCH 05-20-97

Call	Channel	Location	Dist	Azi	FCC	Margin
--- Channel 221 92.1 MHz. ---						
WYFO	LI 220C3	Lakeland	FL 24.19	331.7	89.0	-64.81
WCTQ.C	CP 221C3	Venice	FL 93.79	224.8	142.0	-48.21
WWKA	LI 222C	Orlando	FL 116.82	35.9	165.0	-48.18
WCTQ	LI 221A	Venice	FL 93.23	219.9	115.0	-21.77
--- Channel 222 92.3 MHz. ---						
WWKA	LI 222C	Orlando	FL 116.82	35.9	226.0	-109.18
WYFO	LI 220C3	Lakeland	FL 24.19	331.7	42.0	-17.81
WYUU	LI 223C2	Safety Harbor	FL 100.92	276.0	106.0	-5.08
--- Channel 223 92.5 MHz. ---						
WYUU	LI 223C2	Safety Harbor	FL 100.92	276.0	166.0	-65.08
WWKA	LI 222C	Orlando	FL 116.82	35.9	165.0	-48.18
WKZY.A	AP 223C3	La Belle	FL 116.83	163.6	142.0	-25.17
WKZY.C	CP 223C3	La Belle	FL 122.29	156.6	142.0	-19.71
WYFO	LI 220C3	Lakeland	FL 24.19	331.7	42.0	-17.81
WKZY	LI 223A	La Belle	FL 112.77	157.2	115.0	-2.23
--- Channel 224 92.7 MHz. ---						
WFLZ	LI 227C	Tampa	FL 47.14	282.5	95.0	-47.86
WIKX.C	CPM 225C1	Charlotte Harbor	FL 104.34	204.9	133.0	-28.66
WZZRFM	LI 224C2	Stuart	FL 158.15	109.2	166.0	-7.85
WIKX	LI 225C2	Punta Gorda	FL 98.32	194.9	106.0	-7.68
WYUU	LI 223C2	Safety Harbor	FL 100.92	276.0	106.0	-5.08
--- Channel 225 92.9 MHz. ---						
WIKX.C	CPM 225C1	Charlotte Harbor	FL 104.34	204.9	200.0	-95.66
WIKX	LI 225C2	Punta Gorda	FL 98.32	194.9	166.0	-67.68
WFLZ	LI 227C	Tampa	FL 47.14	282.5	95.0	-47.86
WMFQ	LI 225C2	Ocala	FL 150.04	348.9	166.0	-15.96
--- Channel 226 93.1 MHz. ---						
WFLZ	LI 227C	Tampa	FL 47.14	282.5	165.0	-117.86
WIKX.C	CPM 225C1	Charlotte Harbor	FL 104.34	204.9	133.0	-28.66
WIKX	LI 225C2	Punta Gorda	FL 98.32	194.9	106.0	-7.68
--- Channel 227 93.3 MHz. ---						



Call	Channel	Location	Dist	Azi	FCC	Margin
WFLZ	LI 227C	Tampa	FL 47.14	282.5	226.0	-178.86
--- Channel 228 93.5 MHz. ---						
WFLZ	LI 227C	Tampa	FL 47.14	282.5	165.0	-117.86
WSJT	LI 231C	Lakeland	FL 32.17	254.4	95.0	-62.83
--- Channel 229 93.7 MHz. ---						
WSJT	LI 231C	Lakeland	FL 32.17	254.4	95.0	-62.83
WOGK	LI 229C	Ocala	FL 170.45	350.7	226.0	-55.55
WFLZ	LI 227C	Tampa	FL 47.14	282.5	95.0	-47.86
AD229	AD 229C2	Tice	FL 127.85	187.0	166.0	-38.15
AD229	AD 229C2	Estero	FL 127.85	187.0	166.0	-38.15
WGYL	LI 229C2	Vero Beach	FL 139.41	96.6	166.0	-26.59
DE229	DE 229A	Tice	FL 114.84	182.4	115.0	-0.16
WAAD.C	CP 229A	Tice	FL 114.84	182.4	115.0	-0.16
--- Channel 230 93.9 MHz. ---						
WSJT	LI 231C	Lakeland	FL 32.17	254.4	165.0	-132.83
WFLZ	LI 227C	Tampa	FL 47.14	282.5	95.0	-47.86
--- Channel 231 94.1 MHz. ---						
WSJT	LI 231C	Lakeland	FL 32.17	254.4	226.0	-193.83
--- Channel 232 94.3 MHz. ---						
WSJT	LI 231C	Lakeland	FL 32.17	254.4	165.0	-132.83
WWRM	LI 235C	Tampa	FL 44.50	279.9	95.0	-50.50
WCFB	LI 233C	Daytona Beach	FL 140.43	13.6	165.0	-24.57
WARO	LI 233C	Naples	FL 156.50	177.0	165.0	-8.50
--- Channel 233 94.5 MHz. ---						
WCFB	LI 233C	Daytona Beach	FL 140.43	13.6	226.0	-85.57
WARO	LI 233C	Naples	FL 156.50	177.0	226.0	-69.50
WSJT	LI 231C	Lakeland	FL 32.17	254.4	95.0	-62.83
WWRM	LI 235C	Tampa	FL 44.50	279.9	95.0	-50.50
--- Channel 234 94.7 MHz. ---						
WWRM	LI 235C	Tampa	FL 44.50	279.9	165.0	-120.50
WSJT	LI 231C	Lakeland	FL 32.17	254.4	95.0	-62.83
WCFB	LI 233C	Daytona Beach	FL 140.43	13.6	165.0	-24.57
WARO	LI 233C	Naples	FL 156.50	177.0	165.0	-8.50
--- Channel 235 94.9 MHz. ---						
WWRM	LI 235C	Tampa	FL 44.50	279.9	226.0	-181.50